

Split

Work Order ID 110249 -1

110249

Page 1

Item ID: 646.9601

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Upper Cutter Assy

Start Date: 12/19/13 Start Qty: 2.00

Required Date: 12/19/13 Req'd Qty: 2.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: MLJ Date: 13-12-17 Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
646.9600	N/C

110 Pick Kit 0.00

110

Packaging Memo 0.00

Packaging

⑥ SAO 14/05/03

120 0.00

120

Small Fab Memo 0.00

Small Fab

Assemble as per dwg and apply loctite 598 on all faying surfaces per note 2.

A/R RTV LOCTITE 598: M127443
exp. date: oct 2015

DAS
27
8.33

130 QC5- Inspect part completeness to step on W/O 0.00

130

QC Memo 0.00

Quality Control

14/5/5

5

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____ _____
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Work Order ID 110249

December-17-13 9:19:16 AM

110249

Page 2

Item ID: 646.9601

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Upper Cutter Assy

Start Date: 12/19/13

Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/19/13

Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

140

Identify as per dwg & Stock Location: 5T429

0.00

140

Packaging

Memo

0.00

Packaging

IDENTIFY AS PER IAW MPP-120

5X

DAS
28
9-88

MAY 06 2023

150

QC21- Final Inspection - Work Order Release

0.00

150

QC

Memo

0.00

Quality Control

MLJ 1405-08

Proctor

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

December-17-13 9:19:15 AM

Page 1

Work Order ID: 110249
 Parent Item: 646.9601
 Parent Item Name: Upper Cutter Assy

Start Date: 12/19/13 Required Date: 12/19/13
 Start Qty: 2.00 Required Qty: 2.00

Comments: IPP REV:A 12.08.13 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9701 Cutter Sub Assembly		Manufactured	No			110	Each	17.0000	1	SAD ³		14/05/03	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				CA		17							
				89707		5							
				91788		12	B112549	C					
646.9811 Upper Deflector		Manufactured	No			110	Each	5.0000	1	SAD ²		14/05/03	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				CA		5							
				106375		1							
				106775		4	109920	6					
MS21042L08 Nut		Purchased	No			110	Each	4,583.0000	3	SAD ⁶		14/05/03	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				ST314		113							
				122141		3							
				122452		9							
				123900		101							
				ST505		100							
				125445		100							
				ST508		3400							
				125445		1900		36					
				m127410		1500							
				ST509		970							
				m127304		970							

2

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
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Handling/Pre									
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Operator									
Offset/Setup									
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Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other _____ _____ _____
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Picklist Print

December-17-13 9:19:16 AM

Page 2

Work Order ID: 110249
 Parent Item: 646.9601
 Parent Item Name: Upper Cutter Assy

Start Date: 12/19/13
 Start Qty: 2.00

Required Date: 12/19/13
 Required Qty: 2.00

MS27039-08-19
 Screw

Purchased No

110 Each 2,703.0000 3

SAD ⁶ 14/05/03

Location	Loc Qty	Loc Code
ST308	102	
123525	89	
m126474	13	
ST309	82	
125654	82	
ST506	2519	
124309	1200	
125654	189	
m127305	730	
m127410	400	

NAS1149FN832P
 Washer

Purchased No

110 Each 13,170.000 6

SAD ¹² 14/05/03

Location	Loc Qty	Loc Code
ST295	3194	
123522	398	
123900	2796	
st510	9976	
125268	9976	

R 72

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

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Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
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Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

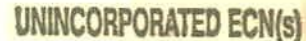
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02743				SHEET 1 OF 1	
	DWG NO. 646.9600	REV: N/C	PREPARED BY S. HUFF	DATE: 01/07/10	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: CUTTER ASSY					
	APPROVED BY: ENGR <i>P. Brano</i>	MFG <i>Amel G...</i>	QC <i>Wendy Lopez</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED SCREW LENGTH.				

110249 MJS
13-12-17

3	R	601.3157	3	3	3	SCREW	MS27039-0818
			.9603	.9602	.9601		
F/N	TC	PART NUMBER	QTY		DESCRIPTION		MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM							CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR
							DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

PL-00000			
REV	DESCRIPTION	DATE	APPROVED
	LAST PROCESSED PL-00000		1/1
1/1	REVISION 1/1	1/1/00	P. 00000



02743

1		8	646.9813	LOWER DEFLECTOR LOW		
1		7	646.9812	LOWER DEFLECTOR HIGH		
		6	646.9811	UPPER CUTTER DEFLECTOR		
A/R	A/R	5	601.2045	RTV, LOCITE 598		
3	3	4	601.1541	LOCENUT	MC2142288	
3	3	3	601.2765	SCREW	60210724219	
6	6	2	601.2764	WASHER	60210724220	
1	1	1	646.9701	CUTTER SUB ASSY		
			646.9603	LOWER CUTTER ASSY LOW		
			646.9602	LOWER CUTTER ASSY HIGH		
			646.9601	UPPER CUTTER ASSY		
9603	9602	9601	FIND #	PART #	DESCRIPTION	MATL SPEC.
QTY					PARTS LIST	
NEXT ASSY (S)		SPECIALS DATE 06/26/90 BY 646.9500 DRAWN BY KRECHT 1. 1/2" DIA. HOLE 2. 1/2" DIA. HOLE 3. 1/2" DIA. HOLE 4. 1/2" DIA. HOLE 5. 1/2" DIA. HOLE 6. 1/2" DIA. HOLE 7. 1/2" DIA. HOLE 8. 1/2" DIA. HOLE 9. 1/2" DIA. HOLE 10. 1/2" DIA. HOLE 11. 1/2" DIA. HOLE 12. 1/2" DIA. HOLE 13. 1/2" DIA. HOLE 14. 1/2" DIA. HOLE 15. 1/2" DIA. HOLE 16. 1/2" DIA. HOLE 17. 1/2" DIA. HOLE 18. 1/2" DIA. HOLE 19. 1/2" DIA. HOLE 20. 1/2" DIA. HOLE 21. 1/2" DIA. HOLE 22. 1/2" DIA. HOLE 23. 1/2" DIA. HOLE 24. 1/2" DIA. HOLE 25. 1/2" DIA. HOLE 26. 1/2" DIA. HOLE 27. 1/2" DIA. HOLE 28. 1/2" DIA. HOLE 29. 1/2" DIA. HOLE 30. 1/2" DIA. HOLE 31. 1/2" DIA. HOLE 32. 1/2" DIA. HOLE 33. 1/2" DIA. HOLE 34. 1/2" DIA. HOLE 35. 1/2" DIA. HOLE 36. 1/2" DIA. HOLE 37. 1/2" DIA. HOLE 38. 1/2" DIA. HOLE 39. 1/2" DIA. HOLE 40. 1/2" DIA. HOLE 41. 1/2" DIA. HOLE 42. 1/2" DIA. HOLE 43. 1/2" DIA. HOLE 44. 1/2" DIA. HOLE 45. 1/2" DIA. HOLE 46. 1/2" DIA. HOLE 47. 1/2" DIA. HOLE 48. 1/2" DIA. HOLE 49. 1/2" DIA. HOLE 50. 1/2" DIA. HOLE 51. 1/2" DIA. HOLE 52. 1/2" DIA. HOLE 53. 1/2" DIA. HOLE 54. 1/2" DIA. HOLE 55. 1/2" DIA. HOLE 56. 1/2" DIA. HOLE 57. 1/2" DIA. HOLE 58. 1/2" DIA. HOLE 59. 1/2" DIA. HOLE 60. 1/2" DIA. HOLE 61. 1/2" DIA. HOLE 62. 1/2" DIA. HOLE 63. 1/2" DIA. HOLE 64. 1/2" DIA. HOLE 65. 1/2" DIA. HOLE 66. 1/2" DIA. HOLE 67. 1/2" DIA. HOLE 68. 1/2" DIA. HOLE 69. 1/2" DIA. HOLE 70. 1/2" DIA. HOLE 71. 1/2" DIA. HOLE 72. 1/2" DIA. HOLE 73. 1/2" DIA. HOLE 74. 1/2" DIA. HOLE 75. 1/2" DIA. HOLE 76. 1/2" DIA. HOLE 77. 1/2" DIA. HOLE 78. 1/2" DIA. HOLE 79. 1/2" DIA. HOLE 80. 1/2" DIA. HOLE 81. 1/2" DIA. HOLE 82. 1/2" DIA. HOLE 83. 1/2" DIA. HOLE 84. 1/2" DIA. HOLE 85. 1/2" DIA. HOLE 86. 1/2" DIA. HOLE 87. 1/2" DIA. HOLE 88. 1/2" DIA. HOLE 89. 1/2" DIA. HOLE 90. 1/2" DIA. HOLE 91. 1/2" DIA. HOLE 92. 1/2" DIA. HOLE 93. 1/2" DIA. HOLE 94. 1/2" DIA. HOLE 95. 1/2" DIA. HOLE 96. 1/2" DIA. HOLE 97. 1/2" DIA. HOLE 98. 1/2" DIA. HOLE 99. 1/2" DIA. HOLE 100. 1/2" DIA. HOLE 101. 1/2" DIA. HOLE 102. 1/2" DIA. HOLE 103. 1/2" DIA. HOLE 104. 1/2" DIA. HOLE 105. 1/2" DIA. HOLE 106. 1/2" DIA. HOLE 107. 1/2" DIA. HOLE 108. 1/2" DIA. HOLE 109. 1/2" DIA. HOLE 110. 1/2" DIA. HOLE 111. 1/2" DIA. HOLE 112. 1/2" DIA. HOLE 113. 1/2" DIA. HOLE 114. 1/2" DIA. HOLE 115. 1/2" DIA. HOLE 116. 1/2" DIA. HOLE 117. 1/2" DIA. HOLE 118. 1/2" DIA. HOLE 119. 1/2" DIA. HOLE 120. 1/2" DIA. HOLE 121. 1/2" DIA. HOLE 122. 1/2" DIA. HOLE 123. 1/2" DIA. HOLE 124. 1/2" DIA. HOLE 125. 1/2" DIA. HOLE 126. 1/2" DIA. HOLE 127. 1/2" DIA. HOLE 128. 1/2" DIA. HOLE 129. 1/2" DIA. HOLE 130. 1/2" DIA. HOLE 131. 1/2" DIA. HOLE 132. 1/2" DIA. HOLE 133. 1/2" DIA. HOLE 134. 1/2" DIA. HOLE 135. 1/2" DIA. HOLE 136. 1/2" DIA. HOLE 137. 1/2" DIA. HOLE 138. 1/2" DIA. HOLE 139. 1/2" DIA. HOLE 140. 1/2" DIA. HOLE 141. 1/2" DIA. HOLE 142. 1/2" DIA. HOLE 143. 1/2" DIA. HOLE 144. 1/2" DIA. HOLE 145. 1/2" DIA. HOLE 146. 1/2" DIA. HOLE 147. 1/2" DIA. HOLE 148. 1/2" DIA. HOLE 149. 1/2" DIA. HOLE 150. 1/2" DIA. HOLE 151. 1/2" DIA. HOLE 152. 1/2" DIA. HOLE 153. 1/2" DIA. HOLE 154. 1/2" DIA. HOLE 155. 1/2" DIA. HOLE 156. 1/2" DIA. HOLE 157. 1/2" DIA. HOLE 158. 1/2" DIA. HOLE 159. 1/2" DIA. HOLE 160. 1/2" DIA. HOLE 161. 1/2" DIA. HOLE 162. 1/2" DIA. HOLE 163. 1/2" DIA. HOLE 164. 1/2" DIA. HOLE 165. 1/2" DIA. HOLE 166. 1/2" DIA. HOLE 167. 1/2" DIA. HOLE 168. 1/2" DIA. HOLE 169. 1/2" DIA. HOLE 170. 1/2" DIA. HOLE 171. 1/2" DIA. HOLE 172. 1/2" DIA. HOLE 173. 1/2" DIA. HOLE 174. 1/2" DIA. HOLE 175. 1/2" DIA. HOLE 176. 1/2" DIA. HOLE 177. 1/2" DIA. HOLE 178. 1/2" DIA. HOLE 179. 1/2" DIA. HOLE 180. 1/2" DIA. HOLE 181. 1/2" DIA. HOLE 182. 1/2" DIA. HOLE 183. 1/2" DIA. HOLE 184. 1/2" DIA. HOLE 185.				

